



GL2000

MIXING CONSOLE

THE BENEFITS OF USING SYS-LINK

The **GL2000 SYS-LINK** option allows console to console interconnection by means of just one or two cables. By connecting two **GL2000** consoles together the number of input channels may be increased. One console acts as a channel expander (slave) to the second (master). Up to 3 consoles may be 'daisy-chained' in this way. The system is also directly compatible with other A&H consoles fitted with **SYS-LINK**.

Plugging consoles together using **SYS-LINK** connects the signals directly to the console busses so avoiding the use of the main console outputs and channel inputs for the master / slave connection. All the console channels are available to the user for input sources.

SYS-LINK CONNECTIONS

SYS-LINK connects all the console main busses including the L, R, 4 Groups, and 6 Aux sends. The PFL/AFL system is also interconnected such that operating PFL/AFL on the slave console activates the master console monitor system. Operating PFL/AFL on the master does not activate the slave monitor system which may be used for 'local' monitoring if required. **SYS-LINK** connects the PFL/AFL audio mix and DC control buss.

SYS-LINK outputs are taken pre-fader so that the slave console output connectors may be used for sub-mix or 'zone' feeds if required. All output signals are unbalanced, low impedance and operate at a line level of -2dBu to prevent problems with audio interference and to maintain a headroom of 23dB.

SYS-LINK inputs are unbalanced, operate line level at -2dBu and are high impedance to prevent loading the connected source.

SYS-LINK is presented on two 25way female D-type connectors, one for the console buss inputs and the other for the outputs. Several pins are provided for audio 0V earth.

USING SYS-LINK

Connect consoles using two standard 25way male to male D-type cables, available from electronic suppliers or computer shops (25line male to male). It is advised that this cable is a screened type if longer than 1 metre, no longer than 10 metres in total, and that professional quality locking connectors are used. Connect all pins one to one with the screen to 0V.

Connect the slave console **SYS-LINK** output to the master console **SYS-LINK** input.

SYS-LINK may also be used to connect the **GL2000** to other audio equipment. Make sure that all unused inputs (except the P/AFL DC inputs) are linked to 0V earth at the **SYS-LINK** input to prevent audible interference from connected audio signals. Connect line level signals of around -2dBu. The **GL2000** PFL/AFL system may be activated by switching the P/AFL DC input to 0V earth through a 15k ohm resistor.

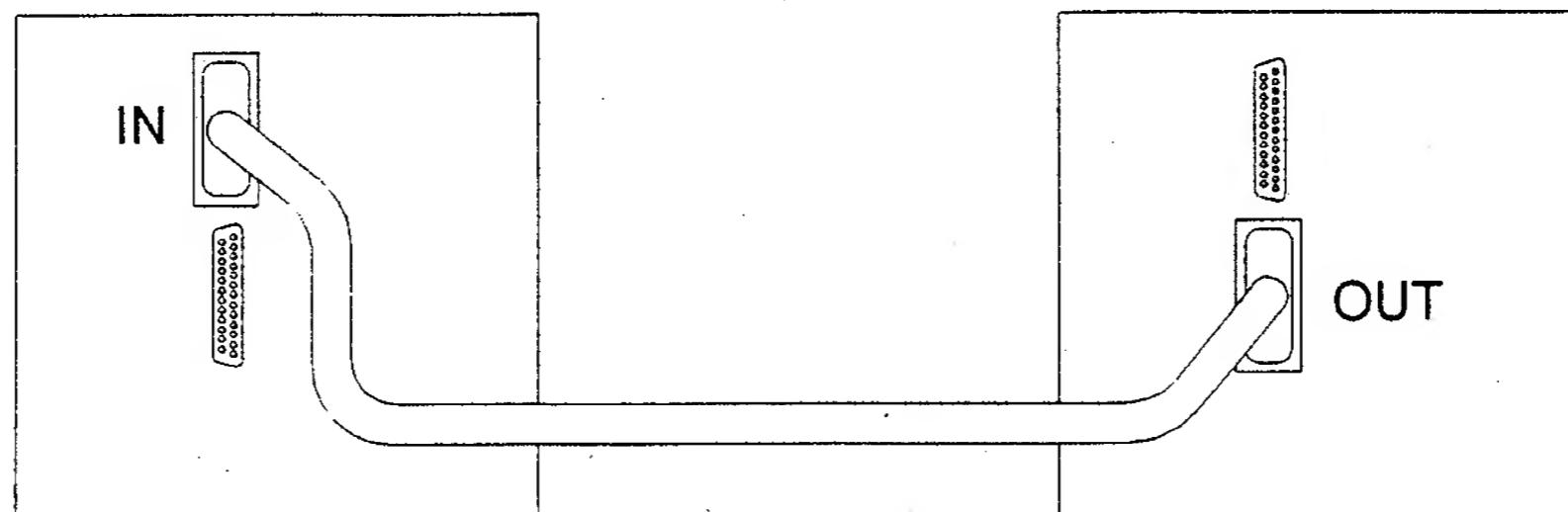
For information on fitting **SYS-LINK** please refer to FITTING INSTRUCTIONS AP2644

SYS-LINK APPLICATIONS NOTE

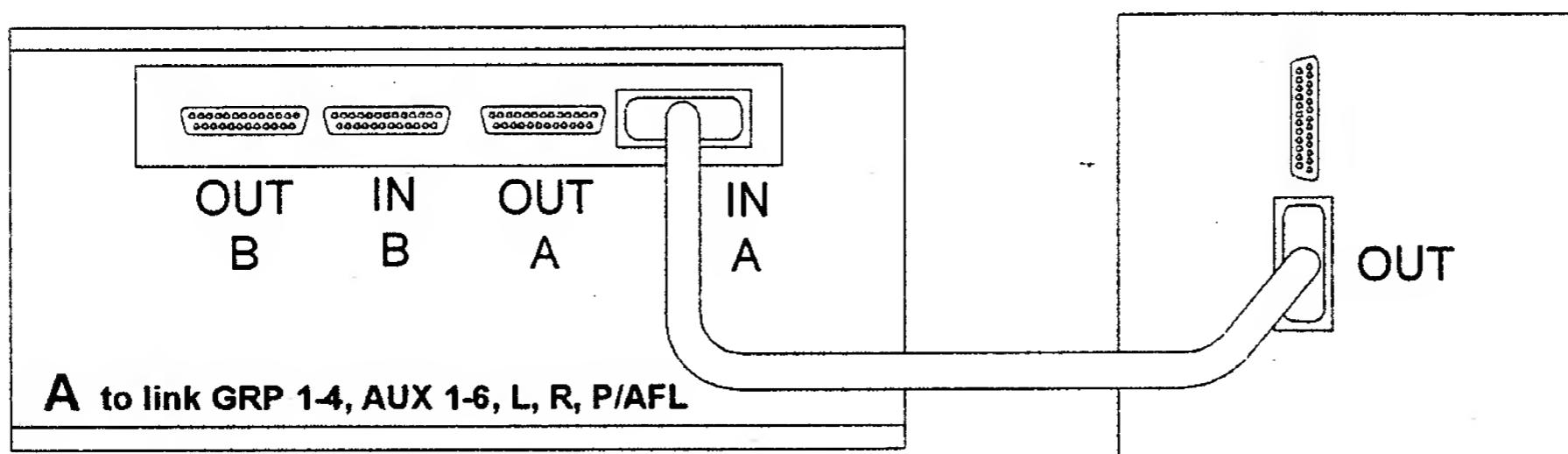
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CONSOLE TO CONSOLE CONNECTION USING SYS-LINK



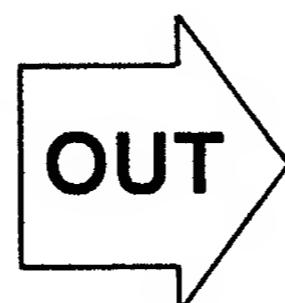
MASTER GL2000 ← SLAVE GL2000



MASTER GL3000 ← SLAVE GL2000

SYS-LINK connectors are 25way D-type female.
Use 25way D-type male to male connector cable.

LEFT out	0V
RIGHT out	0V
GRP1 out	0V
GRP2 out	0V
GRP3 out	0V
GRP4 out	0V
AUX1 out	AUX2 out
AUX3 out	AUX4 out
AUX5 out	AUX6 out
P/AFL out	nc
0V	nc
P/AFL DC	0V



Line level output at -2dBu
Unbalanced, buffered, in-phase
Low impedance < 75 ohms

LEFT in	0V
RIGHT in	0V
GRP1 in	0V
GRP2 in	0V
GRP3 in	0V
GRP4 in	0V
AUX1 in	AUX2 in
AUX3 in	AUX4 in
AUX5 in	AUX6 in
PFL in	AFL in
0V	AFL DC
PFL DC	0V



Line level input at -2dBu
Unbalanced, in-phase
High impedance =>10k ohm
When connecting to audio equipment other than GL series link all unused audio inputs to 0V earth at the SYS-LINK input.

PFL/AFL DC input is through internal diode and transistor switching so that Slave activates Master PFL/AFL but Master does not activate Slave.
To activate PFL or AFL: Switch the DC input to 0V earth through a 15k ohm resistor. Connect the audio signal to PFL or AFL IN.